

ROTARY SWITCHES

CATALOG NO. 960

QUALITY RF AND POWER
SWITCHES FOR INDUSTRY

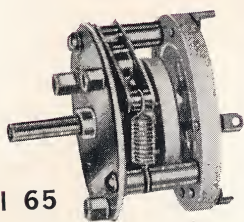


RADIO SWITCH CORPORATION

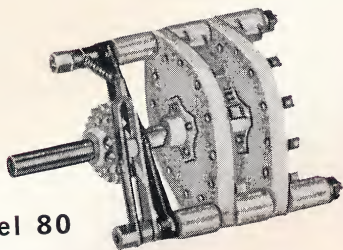
MARLBORO, NEW JERSEY • Telephone: HOpkins 2-6100

FEATURES

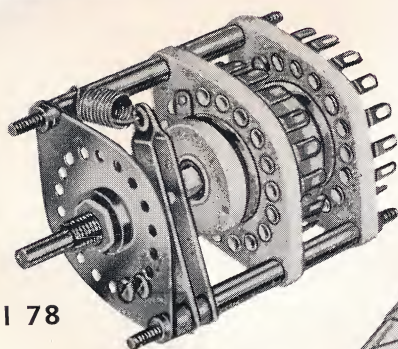
Model 65



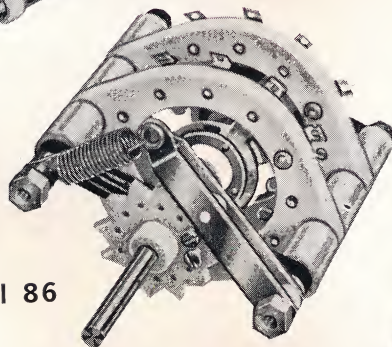
Model 80



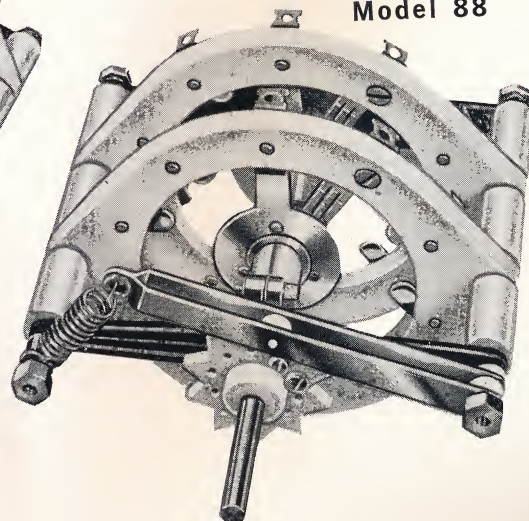
Model 78



Model 86



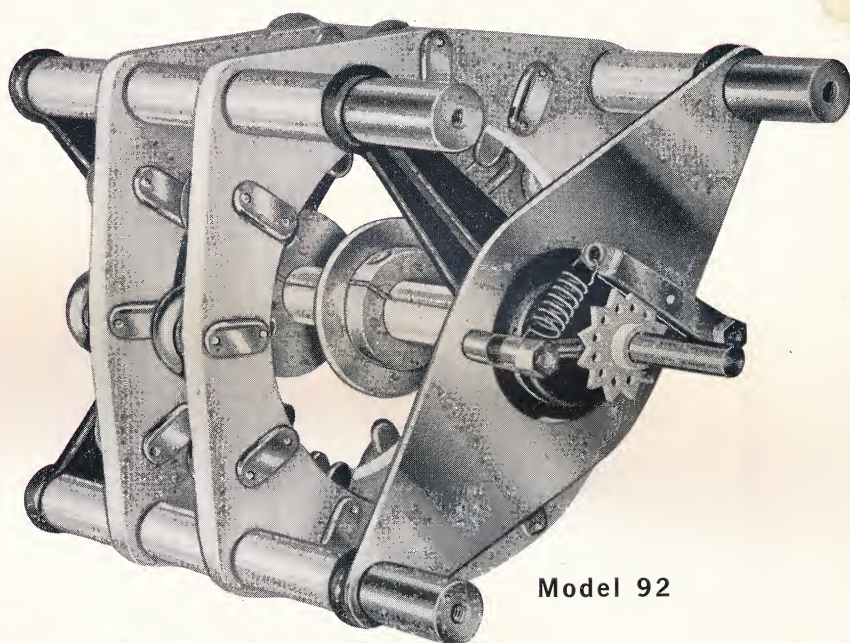
Model 88



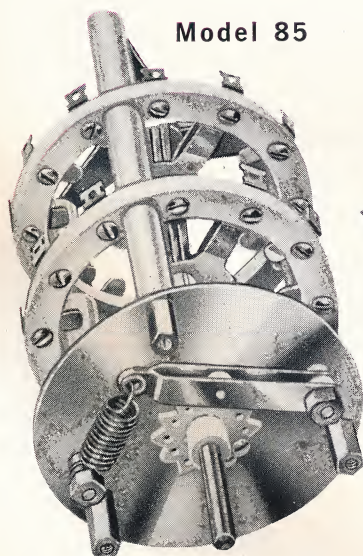
- 10 TO 100 AMPERE CURRENT CARRYING CAPACITY
- SHORTING AND NON-SHORTING CONTACTS
- SILICONE IMPREGNATED STEATITE AND KEL-F
- CORROSION RESISTANT CONSTRUCTION
- COIN SILVER CONTACT SHOES
- 20° 30° 36° 40° 60° 72° 90° DETENTS
- 1 TO 18 POSITIONS
- HEAVILY SILVER PLATED CONTACTS

All designs and materials subject to change without notice.

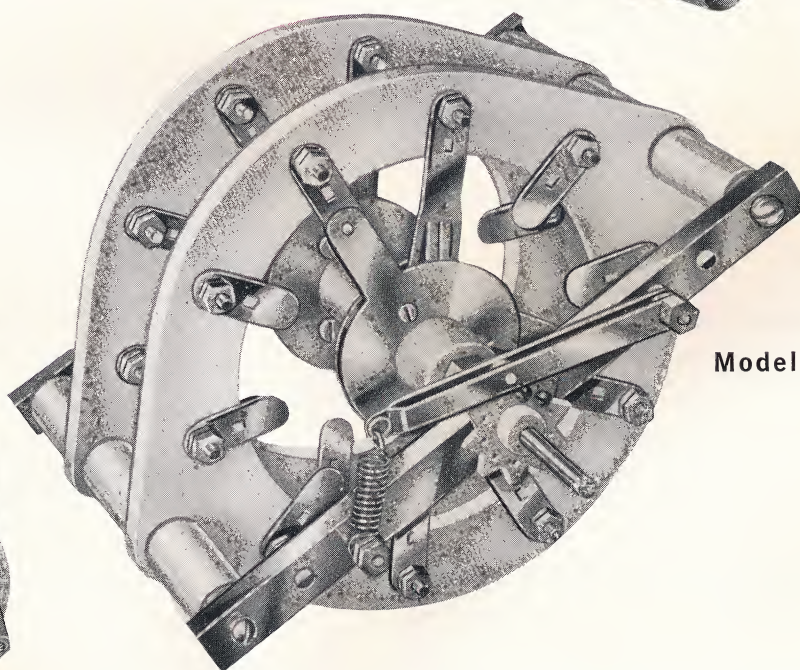
- BALL BEARINGS AND
SLEEVE BEARINGS
- 1 CIRCUIT PER SECTION,
1 TO 11 POLES PER CIRCUIT
- 2 CIRCUITS PER SECTION,
1 TO 4 POLES PER CIRCUIT
- 3 CIRCUITS PER SECTION,
1 POLE PER CIRCUIT
- POSITIVE ACTION DETENTS
- 2,000 TO 24,000 VOLTS
FLASHOVER



Model 92

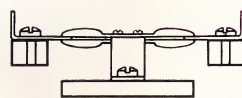
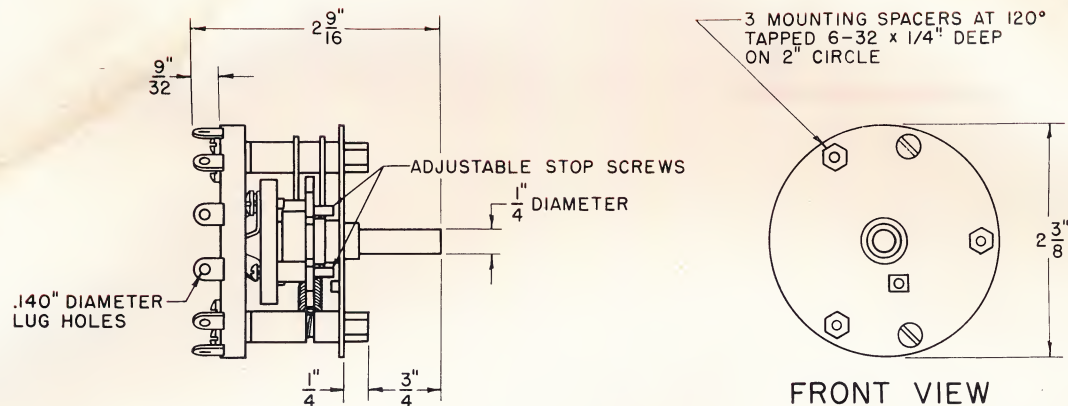


Model 85

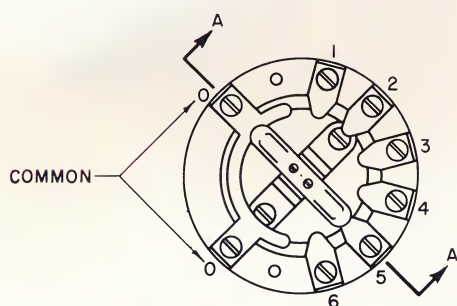


Model 90

MODEL 65 SWITCH



SECTION A-A

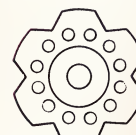


1 CIRCUIT 1 POLE 6 POSITION
BREAK BEFORE MAKE

ROTOR STYLE
REAR VIEW



30°



60°

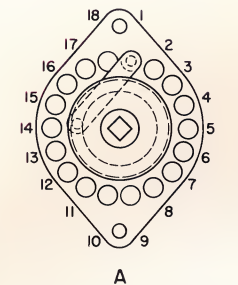
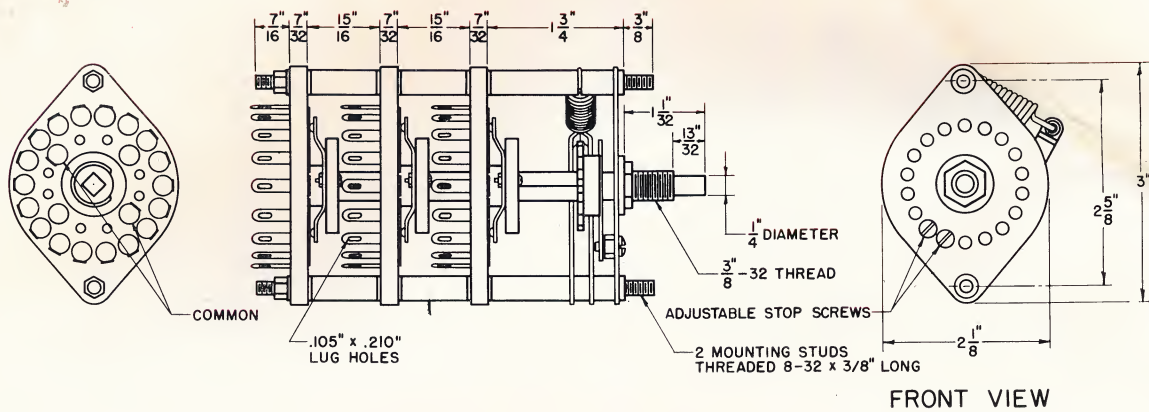
DETENT STYLES

NOTE: This switch is available in single gang only

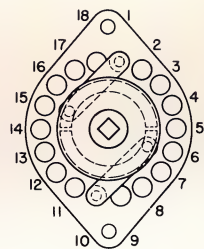
SPECIFICATIONS

- 4500 volt peak flashover
at 60 cps
- Low loss silicone impregnated
steatite stator
- 25 ampere current carrying
capacity
- Low loss silicone impregnated
steatite rotor
- Current carrying members
heavily silver plated
- Nylon detent wheel
- Sleeve bearing

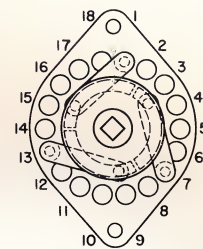
MODEL 78 SWITCH



A
1 CIRCUIT 1 POLE 18 POSITION
MAKE BEFORE BREAK



E
2 CIRCUIT 2 POLE 9 POSITION
MAKE BEFORE BREAK



F
3 CIRCUIT 3 POLE 6 POSITION
MAKE BEFORE BREAK

ROTOR STYLES
FRONT VIEW



20°



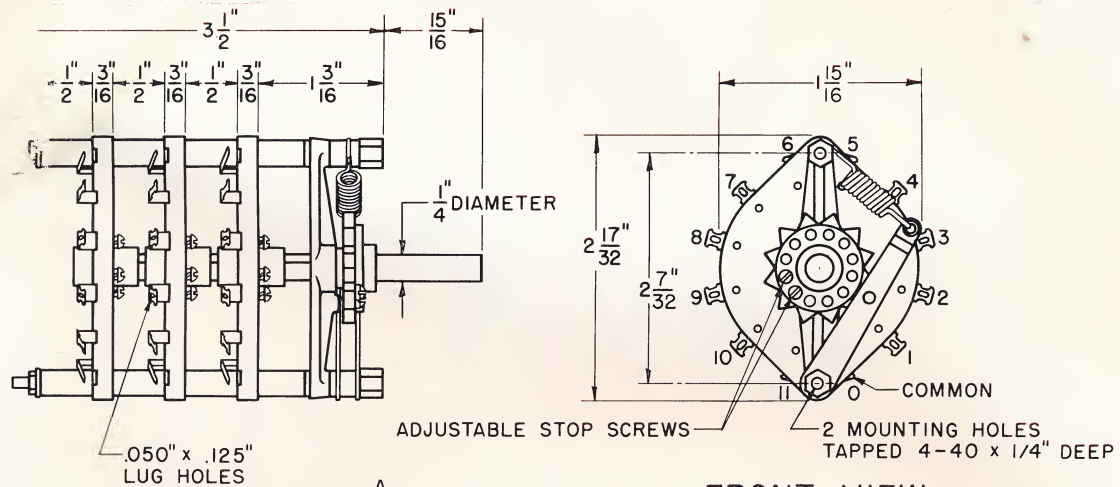
40°

DETENT STYLES

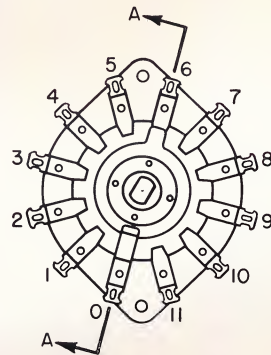
SPECIFICATIONS

- 2000 volt peak flashover at 60 cps
- 20 ampere current carrying capacity
- Current carrying members heavily silver plated
- Coin silver contact shoes
- Low loss silicone impregnated steatite stators
- Low loss silicone impregnated steatite rotors
- Stainless steel detent assembly
- Sleeve bearing

MODEL 80 SWITCH

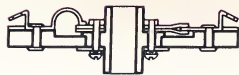


FRONT VIEW



1 CIRCUIT 1 POLE 12 POSITION
INCLUDING OFF,
BREAK BEFORE MAKE

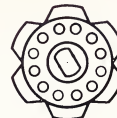
ROTOR STYLE
REAR VIEW



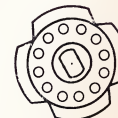
SECTION A-A



30°



60°



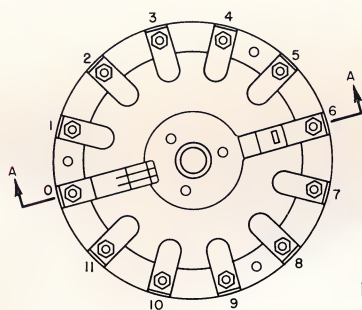
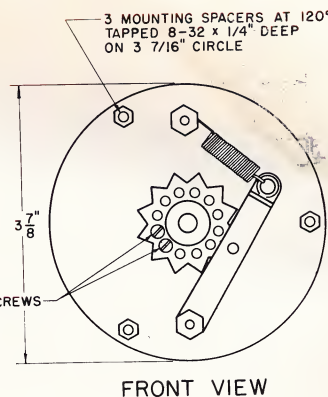
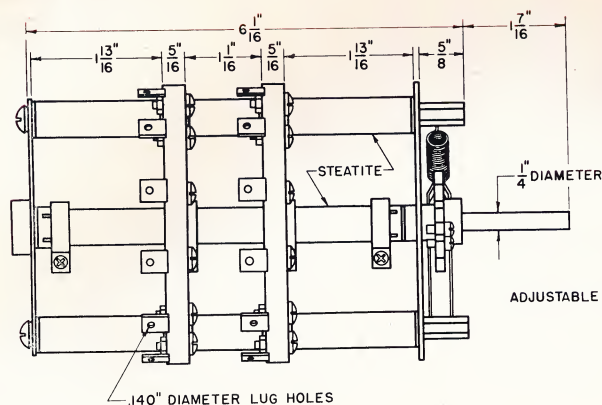
90°

DETENT STYLES

SPECIFICATIONS

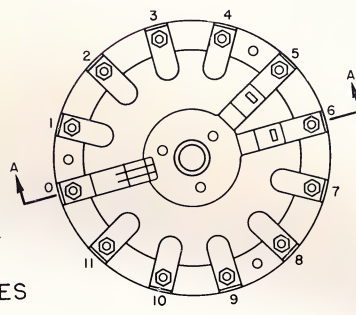
- 4500 volt peak flashover at 60 cps
- 10 ampere current carrying capacity
- Current carrying members heavily silver plated
- Kel-F stators and rotors
- Steatite spacers
- Nylon detent wheel
- Black anodized die cast aluminum support bracket
- Stainless steel detent arm
- Oil impregnated bronze sleeve bearing

MODEL 85 SWITCH



A
1 CIRCUIT 1 POLE 12 POSITION
INCLUDING OFF,
BREAK BEFORE MAKE

ROTOR STYLES
REAR VIEW



R
1 CIRCUIT 2 TO 11 POLE 12 POSITION
INCLUDING OFF,
BREAK BEFORE MAKE



SECTION A-A



30°



60°



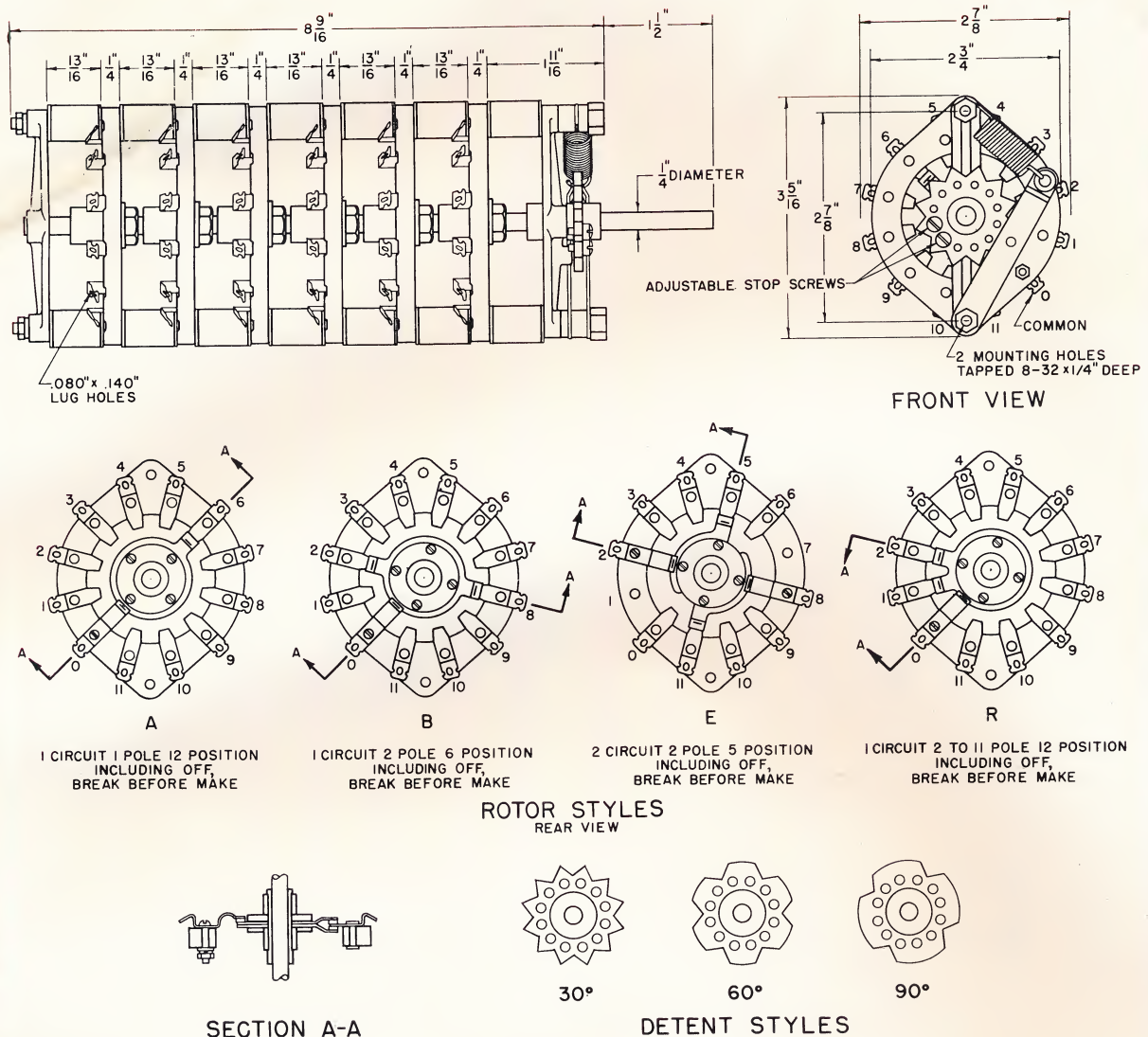
90°

DETENT STYLES

SPECIFICATIONS

- 12,000 volt peak flashover at 60 cps
- 30 ampere current carrying capacity
- Current carrying members heavily silver plated
- Coin silver contact shoes
- Low loss silicone impregnated steatite stators and shaft
- White glazed steatite spacers
- Nylon detent wheel
- Stainless steel detent arm
- Tellurium copper sleeve bearings
- Anodized aluminum shaft and rotor bushings

MODEL 86 NON-SHORTING SWITCH

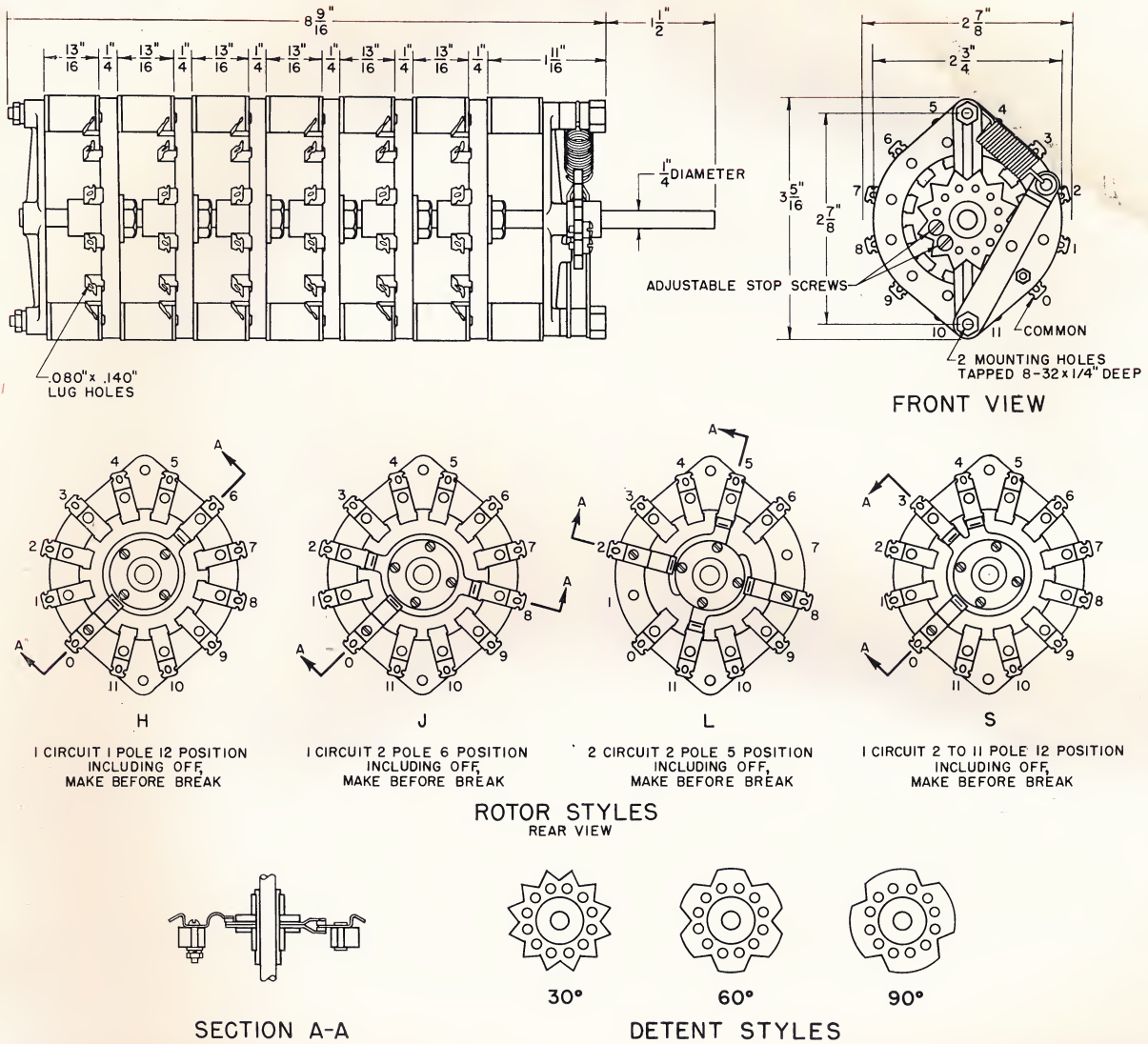


NOTE: All rotor styles are available in standard oil impregnated bronze or ball bearing type switches

SPECIFICATIONS

- 7000 volt peak flashover at 60 cps
- 20 ampere current carrying capacity
- Current carrying members heavily silver plated
- Coin silver contact shoes
- Low loss silicone impregnated steatite stators
- Low loss silicone impregnated steatite rotors
- White glazed steatite spacers
- Nylon detent wheel
- Black anodized aluminum die cast support brackets
- Stainless steel detent arm

MODEL 86 SHORTING SWITCH

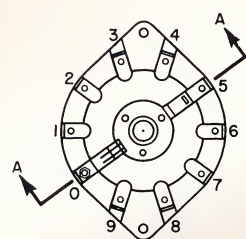
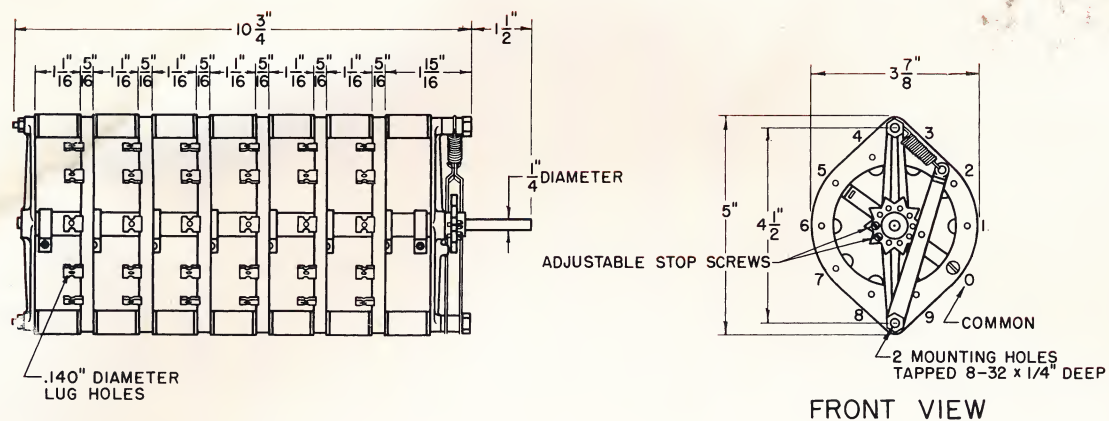


NOTE: All rotor styles are available in standard oil impregnated bronze or ball bearing type switches

SPECIFICATIONS

- 6000 volt peak flashover at 60 cps
- 20 ampere current carrying capacity
- Current carrying members heavily silver plated
- Coin silver contact shoes
- Low loss silicone impregnated steatite stators
- Low loss silicone impregnated steatite rotors
- White glazed steatite spacers
- Nylon detent wheel
- Black anodized aluminum die cast support brackets
- Stainless steel detent arm

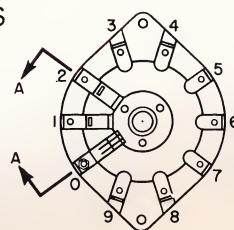
MODEL 88 SWITCH



A

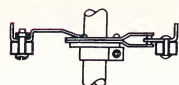
1 CIRCUIT 1 POLE 10 POSITION
INCLUDING OFF.
BREAK BEFORE MAKE

ROTOR STYLES
REAR VIEW



R

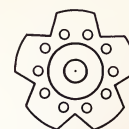
1 CIRCUIT 2 TO 9 POLE 10 POSITION
INCLUDING OFF.
BREAK BEFORE MAKE



SECTION A-A



36°



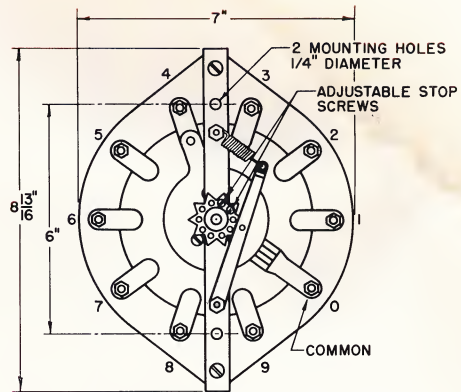
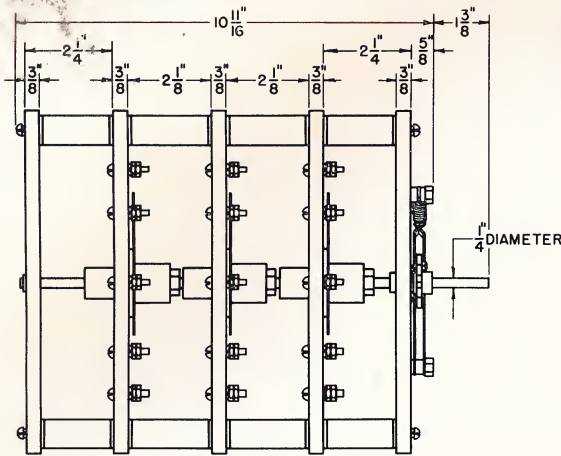
72°

DETENT STYLES

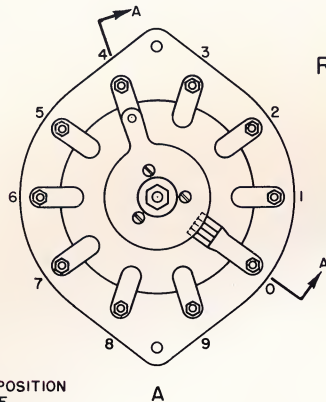
SPECIFICATIONS

- 13,000 volt peak flashover at 60 cps
- 30 ampere current carrying capacity
- Current carrying members heavily silver plated
- Coin silver contact shoes
- Low loss silicone impregnated steatite stator and shaft
- White glazed steatite spacers
- Nylon detent wheel
- Black anodized die cast aluminum support brackets
- Stainless steel detent arm
- Oil impregnated bronze sleeve bearings
- Anodized aluminum shaft and rotor bushing

MODEL 90 SWITCH



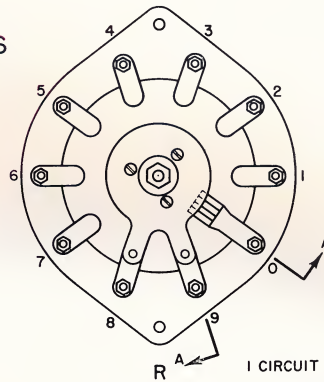
FRONT VIEW



ROTOR STYLES
FRONT VIEW

1 CIRCUIT 1 POLE 10 POSITION
INCLUDING OFF,
BREAK BEFORE MAKE

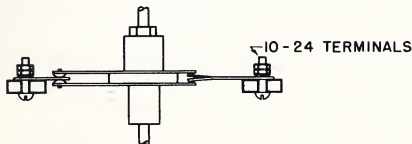
A



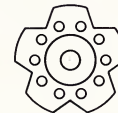
1 CIRCUIT 2 TO 9 POLE 10 POSITION
INCLUDING OFF,
BREAK BEFORE MAKE

R

SECTION "A-A"



36°



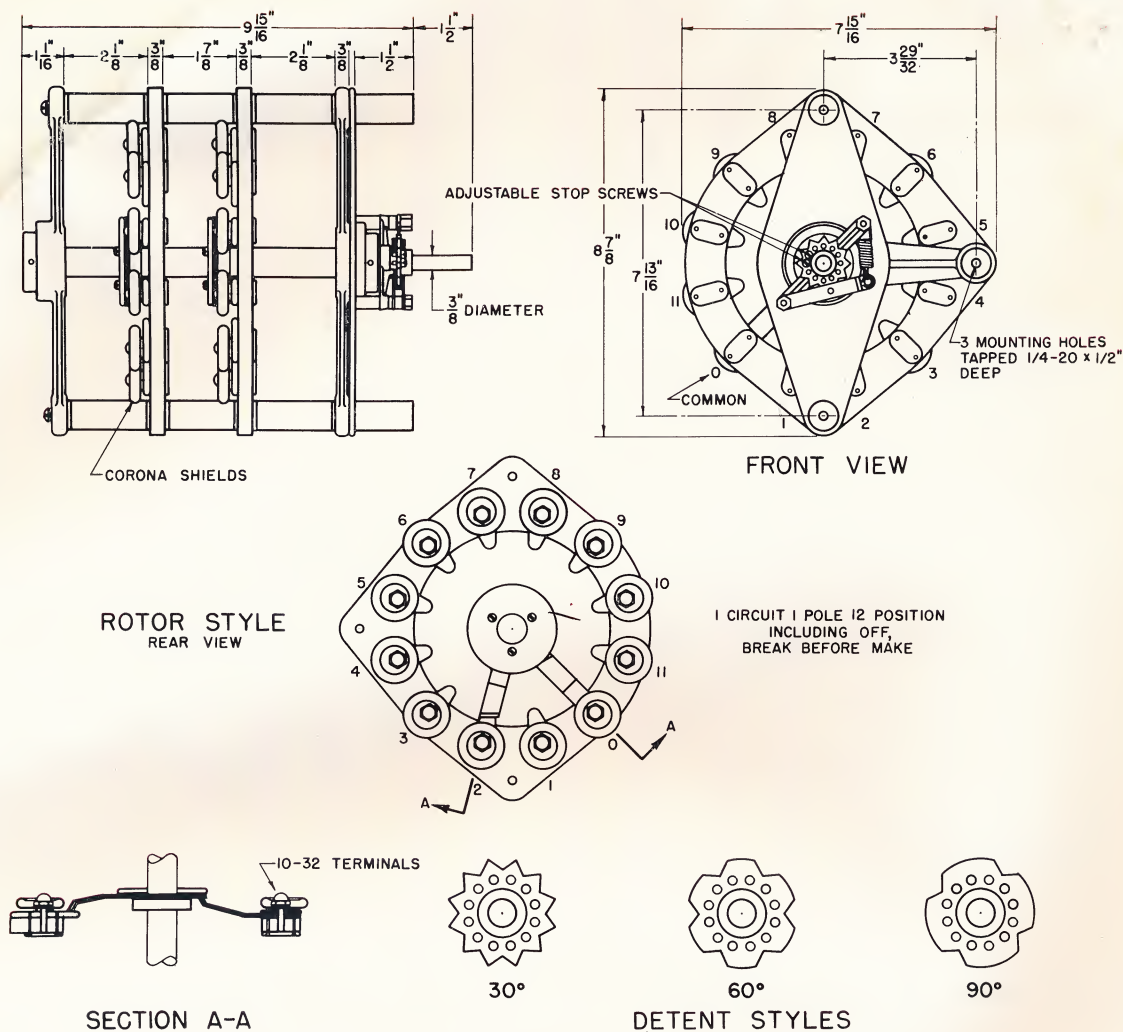
72°

DETENT STYLES

SPECIFICATIONS

- 20,000 volt peak flashover at 60 cps
- 40 ampere current carrying capacity
- Current carrying members heavily silver plated
- Coin silver contact shoes
- Low loss silicone impregnated steatite stators
- Low loss silicone impregnated steatite rotors
- White glazed steatite spacers
- Nylon detent wheel
- Stainless steel detent arm
- Sleeve bearings

MODEL 92 SWITCH



SPECIFICATIONS

- 24,000 volt peak flashover at 60 cps
- 100 ampere current carrying capacity
- Current carrying members heavily silver plated
- Low loss silicone impregnated steatite stators
- Low loss silicone impregnated steatite shaft
- White glazed steatite spacers
- Nylon detent wheel
- Black anodized die cast aluminum support brackets
- Stainless steel detent arm
- Ball bearings
- Each contact and rotor equipped with a corona shield
- Forged copper stator contacts

Operating Characteristics and Maintenance Recommendations

OPERATING CHARACTERISTICS

The switches described in this catalog were designed for manual operation and will give many years of service when so operated. They may be power driven at slow rotational speeds if the detent mechanism is removed and they are properly lubricated. If power driven, care must be taken in lining up shafts of the drive and the switch. A flexible coupling between the two shafts is recommended.

Because of the wide range in types of powered switch operating devices and their various rotational rates, we cannot accept responsibility for the performance of our switches when power driven.

MAINTENANCE RECOMMENDATIONS

All switch contacts are lubricated with a light application of Beacon Lubricant 325 per MIL-G-3278A, unless otherwise specified. This film should be removed when the need is indicated and a new application made. The old grease should be removed with a cotton swab dipped in carbon tetrachloride. The new grease may be applied with a clean swab, care being taken to use only enough to cover the path of the rotor member on the surface of the fixed contacts and the common contact on the rotor blade. The frequency of lubrication is so dependent upon operating conditions that no specific time can be given for this service. Periodic inspection is recommended.

Power driven switches running at moderate speeds should be inspected frequently for lubrication requirements. Ball bearings do not require lubrication. They are lubricated for the life of the switch when manually operated and when power operated at reasonable speeds.

NOTICE

The Seller warrants that, at the time of shipment, the products manufactured or offered by the Seller are free from defects in material and workmanship. The Seller's obligation under this warranty is limited to replacing or repairing such products within one year from the date of shipment. No material will be accepted for replacement or repair without the written authority of the Seller. Replacement or repair will only be made after examination of the products returned to the Seller for this purpose and which have been found to be defective by the Seller. All shipping charges on returned material must be prepaid by the Buyer. Seller makes no other warranty of any kind, expressed or implied.

Seller shall in no event be liable for consequential damages of any nature whatsoever as a result of the use of the products manufactured or offered by the Seller whether in accordance with directions or not.

Delivery promises, prior to or after receipt of order are necessarily approximate. The Seller will make every effort to fill orders within the time promised. If conditions arise which prevent compliance with delivery schedules, the Seller shall not be liable for any damage or penalty of any kind whatsoever for delay in delivery or for failure to give notice of delay and such delays shall not constitute grounds for cancellation.

The Seller shall not be liable for delay by reason of inability, due to causes beyond its reasonable control, to obtain the necessary labor, materials or manufacturing facilities, or for delay due to the elements, acts of God, acts of Civil or Military authorities, priorities, fires, floods, epidemics, war, riot, accidents to machinery, delays in transportation or other causes beyond the control of the Seller, whether or not similar to the foregoing.

RADIO SWITCH CORPORATION

MARLBORO, NEW JERSEY • Telephone: HOpkins 2-6100



TERMS AND CONDITIONS OF SALE

3. Seller's plant in Marlboro, N. J. Terms are 1/2 of 1% days from date of invoice.

CREDIT APPROVAL

are subject to the approval of Seller's Credit Department.

SHIPMENTS

Shipments are made transportation charges collect unless otherwise specified by the Buyer. Buyer's routing is used where practicable. Shipments are routed according to Seller's best judgment unless carrier is specified by Buyer. The Seller is not held responsible for selecting cheapest or fastest routing.

ACCEPTANCE OF ORDERS

Orders are valid only when accepted at Seller's Marlboro, N. J. office.

QUOTATIONS

Only written quotations are valid.

CLAIMS FOR DAMAGE OR LOSS IN TRANSIT

Claims for damage or loss while material is in transit must be made against the carrier by the Buyer.

CLAIMS FOR SHORTAGES

Claims for shortages must be made within thirty days after date of shipment of material from Seller's plant.

SPECIFICATION CHANGES

All designs and specifications of Seller's products are subject to change without notice provided the changes do not materially affect performance.

PRICES AND TAXES

Prices listed herein do not include Federal, State or Local sales or excise taxes.

CANCELLATION OR CHANGES IN ACKNOWLEDGED ORDERS

Cancellation of or changes to acknowledged orders by the Buyer are accepted only upon terms that protect Seller against loss.

PRICE LIST

ROTARY SWITCHES

For Use with Catalog No. 960
Effective September 15, 1963

NET PRICES FOR STANDARD CATALOG ASSEM.

<u>MODEL 65 SWITCH</u>		
<u>Number Sections</u>		
1	Available single gang only	\$8.50

<u>* MODEL 78 SWITCH</u>		
<u>Number Sections</u>	<u>Rotor Style</u>	
1	A, E, or F	8.65
	Each additional section, add	5.60
*Maximum number sections (6)		

<u>* MODEL 80 SWITCH</u>		
<u>Number Sections</u>	<u>Rotor Style</u>	
1	A	6.30
	Each additional section, add	2.90
*Maximum number sections (6)		

<u>* MODEL 86 SWITCH (STANDARD)</u>		
<u>Number Sections</u>	<u>Rotor Style</u>	
1	A, E, H, J, or L	6.60
	Each additional section, add	3.00
1	B, R, or S	9.35
	Each additional section, add	5.70
*Maximum number sections (6)		

<u>* MODEL 86 SWITCH (BALL BEARING)</u>		
<u>Number Sections</u>	<u>Rotor Style</u>	
1	A, E, H, J, or L	9.45
	Each additional section, add	3.00
1	B, R, or S	12.20
	Each additional section, add	5.70
*Maximum number sections (6)		

<u>* MODEL 85 SWITCH</u>		
<u>Number Sections</u>	<u>Rotor Style</u>	
1	A	4.45
	Each additional section, add	5.40

1	R	16.55
	Each additional section, add	7.50
*Maximum number sections (5)		

<u>* MODEL 88 SWITCH</u>		
<u>Number Sections</u>	<u>Rotor Style</u>	
1	A	10.25
	Each additional section, add	4.60
1	R	12.35
	Each additional section, add	6.70
*Maximum number sections (6)		

<u>* MODEL 90 SWITCH</u>		
<u>Number Sections</u>	<u>Rotor Style</u>	
1	A	22.95
	Each additional section, add	17.35
1	R	26.10
	Each additional section, add	20.50
*Maximum number sections (6)		

<u>* MODEL 92 SWITCH</u>		
<u>Number Sections</u>	<u>Rotor Style</u>	
1	A	57.20
	Each additional section, add	31.00
*Maximum number sections (4)		

APPLY FOR PRICE ON SWITCHES EXCEEDING THE MAXIMUM NUMBER OF SECTIONS.

APPLY FOR PRICE ON MODIFICATIONS OF STANDARD CATALOG SWITCH ASSEMBLIES.

RADIO SWITCH CORPORATION

MARLBORO, NEW JERSEY

Telephone: Area Code 201 - 462 - 6100